

Design Settings

Rainfall Methodology	FEH-22	Maximum Time of Concentration (mins)	30.00	Preferred Cover Depth (m)	1.200
Return Period (years)	2	Maximum Rainfall (mm/hr)	50.0	Include Intermediate Ground	✓
Additional Flow (%)	0	Minimum Velocity (m/s)	1.00	Enforce best practice design rules	✓
CV	1.000	Connection Type	Level Soffits		
Time of Entry (mins)	5.00	Minimum Backdrop Height (m)	0.200		

Nodes

Name	Area (ha)	T of E (mins)	Cover Level (m)	Diameter (mm)	Easting (m)	Northing (m)	Depth (m)	Invert Level (m)
19	0.039	5.00	7.465	1200	498790.017	103631.507	1.425	6.040
20	0.034	5.00	7.420	1200	498790.095	103650.821	1.570	5.850
21	0.034	5.00	7.620	1200	498793.556	103670.177	1.895	5.725
22	0.024	5.00	7.905	1200	498798.463	103692.789	2.290	5.615
23	0.039	5.00	8.210	1200	498808.330	103714.285	2.710	5.500
24	0.018	5.00	8.325	1200	498814.599	103726.910	2.895	5.430
29	0.068	5.00	7.980	1200	498815.421	103753.262	1.630	6.350
30	0.014	5.00	8.145	1200	498823.923	103745.353	1.865	6.280
25	0.030	5.00	8.385	1350	498828.528	103732.982	3.105	5.280
26	0.040	5.00	8.290	1350	498844.369	103734.370	3.090	5.200
27	0.078	5.00	7.905	1350	498866.437	103728.945	2.800	5.105
31	0.046	5.00	6.880	1200	498879.013	103627.312	1.485	5.395
34	0.088	5.00	7.575	1200	498848.152	103664.158	1.425	6.150
32	0.051	5.00	6.700	1200	498883.789	103659.698	1.500	5.200
33	0.048	5.00	7.035	1200	498889.900	103708.754	2.085	4.950
35	0.033	5.00	7.350	1200	498897.754	103757.928	1.425	5.925
28	0.091	5.00	7.340	1350	498893.264	103725.216	3.635	3.705
OUTFALL 2	0.007		7.860	1350	498926.114	103719.980	4.241	3.619
36	0.065	5.00	7.845	1200	498819.466	103533.350	1.425	6.420
37	0.015	5.00	7.585	1200	498793.162	103529.176	1.425	6.160

Nodes

Name	Area (ha)	T of E (mins)	Cover Level (m)	Diameter (mm)	Easting (m)	Northing (m)	Depth (m)	Invert Level (m)
38	0.031	5.00	7.520	1200	498787.783	103533.015	1.720	5.800
39	0.017	5.00	7.530	1200	498786.964	103549.356	1.830	5.700
40	0.044	5.00	7.260	1200	498791.264	103575.363	1.720	5.540
41	0.029	5.00	7.320	1200	498796.652	103596.209	1.910	5.410
42	0.035	5.00	7.225	1200	498817.973	103595.956	1.955	5.270
43	0.163	5.00	7.365	1350	498875.941	103599.283	3.385	3.980
OUTFALL 3	0.040		7.670	1350	498907.572	103598.514	3.773	3.897
7	0.039	5.00	8.015	1200	498844.267	103794.571	1.425	6.590
8	0.008	5.00	7.780	1200	498825.942	103797.635	1.425	6.355
9	0.016	5.00	7.580	1200	498811.356	103799.411	1.510	6.070
10	0.042	5.00	7.810	1200	498815.660	103832.401	1.910	5.900
11	0.011	5.00	7.730	1200	498824.702	103851.027	1.930	5.800
12	0.033	5.00	7.630	1200	498835.828	103857.117	1.895	5.735
13	0.033	5.00	7.620	1200	498847.329	103857.063	1.945	5.675
14	0.083	5.00	7.680	1200	498873.771	103850.858	2.140	5.540
1	0.032	5.00	6.760	1200	498875.330	103921.991	1.425	5.335
2	0.052	5.00	6.550	1200	498892.604	103916.274	1.425	5.125
3	0.006	5.00	6.610	1200	498903.688	103909.945	1.635	4.975
4	0.020	5.00	6.710	1200	498911.795	103900.304	1.790	4.920
5			6.810	1200	498915.052	103888.277	1.940	4.870
15	0.050	5.00	7.910	1200	498876.378	103789.905	1.425	6.485
16	0.032	5.00	7.415	1200	498900.228	103787.152	1.500	5.915
17	0.030	5.00	7.580	1200	498903.129	103812.278	1.920	5.660
18	0.015	5.00	7.480	1200	498906.319	103823.594	1.940	5.540
6	0.133	5.00	7.415	1350	498909.829	103846.225	3.525	3.890
OUTFALL 1			8.150	1350	498938.961	103841.660	4.315	3.835
55	0.038	5.00	8.330	1200	498800.893	103430.889	1.425	6.905
56	0.020	5.00	8.260	1200	498807.581	103420.885	1.430	6.830
57	0.021	5.00	8.120	1200	498816.462	103413.729	1.450	6.670
58	0.013	5.00	7.950	1200	498829.435	103408.844	1.425	6.525
59	0.014	5.00	7.830	1200	498841.840	103408.657	1.500	6.330

Nodes

Name	Area (ha)	T of E (mins)	Cover Level (m)	Diameter (mm)	Easting (m)	Northing (m)	Depth (m)	Invert Level (m)
60	0.091	5.00	8.455	1200	498896.769	103422.270	2.505	5.950
61	0.083	5.00	8.500	1200	498919.534	103428.616	4.040	4.460
OUTFALL 5			8.534	1200	498927.366	103433.036	4.111	4.423
44	0.031	5.00	7.330	1200	498790.433	103491.535	1.425	5.905
45	0.020	5.00	7.615	1200	498799.244	103474.647	1.915	5.700
46	0.019	5.00	7.755	1200	498816.601	103474.830	2.160	5.595
47	0.078	5.00	8.180	1200	498840.839	103477.276	2.805	5.375
48	0.114	5.00	8.170	1200	498884.405	103488.645	2.985	5.185
50	0.073	5.00	8.270	1200	498863.236	103538.505	1.425	6.845
51	0.056	5.00	8.480	1200	498888.942	103539.652	1.790	6.690
52	0.005	5.00	8.470	1200	498896.759	103533.534	1.915	6.555
53	0.021	5.00	8.200	1200	498899.947	103505.826	1.815	6.385
54	0.030	5.00	8.325	1200	498898.858	103497.800	1.980	6.345
49	0.055	5.00	8.490	1350	498900.069	103491.905	4.390	4.100
OUTFALL 4			8.383	1350	498913.184	103494.634	4.339	4.044

Links

Name	US Node	DS Node	Length (m)	ks (mm) / n	US IL (m)	DS IL (m)	Fall (m)	Slope (1:X)	Dia (mm)	T of C (mins)	Rain (mm/hr)
1.000	19	20	19.314	0.600	6.040	5.925	0.115	167.9	225	5.32	50.0
1.001	20	21	19.663	0.600	5.850	5.725	0.125	157.3	300	5.58	50.0
1.002	21	22	23.138	0.600	5.725	5.615	0.110	210.3	300	5.94	50.0
1.003	22	23	23.652	0.600	5.615	5.500	0.115	205.7	300	6.30	50.0
1.004	23	24	14.096	0.600	5.500	5.430	0.070	201.4	300	6.51	50.0
1.005	24	25	15.195	0.600	5.430	5.355	0.075	202.6	300	6.74	49.9
2.000	29	30	11.612	0.600	6.350	6.280	0.070	165.9	225	5.19	50.0
2.001	30	25	13.200	0.600	6.280	6.190	0.090	146.7	225	5.40	50.0
1.006	25	26	15.902	0.600	5.280	5.200	0.080	198.8	375	6.95	49.1
1.007	26	27	22.725	0.600	5.200	5.105	0.095	239.2	375	7.27	48.1
1.008	27	28	27.085	0.600	5.105	4.790	0.315	86.0	375	7.51	47.3

Name	Vel (m/s)	Cap (l/s)	Flow (l/s)	US Depth (m)	DS Depth (m)	Σ Area (ha)	Σ Add Inflow (l/s)	Pro Depth (mm)	Pro Velocity (m/s)
1.000	1.006	40.0	7.0	1.200	1.270	0.039	0.0	64	0.761
1.001	1.251	88.4	13.2	1.270	1.595	0.073	0.0	78	0.904
1.002	1.080	76.3	19.3	1.595	1.990	0.107	0.0	103	0.906
1.003	1.092	77.2	23.7	1.990	2.410	0.131	0.0	114	0.965
1.004	1.104	78.0	30.7	2.410	2.595	0.170	0.0	130	1.039
1.005	1.101	77.8	33.9	2.595	2.730	0.188	0.0	139	1.064
2.000	1.012	40.2	12.3	1.405	1.640	0.068	0.0	85	0.890
2.001	1.077	42.8	14.8	1.640	1.970	0.082	0.0	91	0.980
1.006	1.281	141.5	53.3	2.730	2.715	0.300	0.0	159	1.194
1.007	1.167	128.9	59.1	2.715	2.425	0.340	0.0	178	1.143
1.008	1.955	215.9	71.5	2.425	2.175	0.418	0.0	148	1.763

Links

Name	US Node	DS Node	Length (m)	ks (mm) / n	US IL (m)	DS IL (m)	Fall (m)	Slope (1:X)	Dia (mm)	T of C (mins)	Rain (mm/hr)
4.000	31	32	32.736	0.600	5.395	5.275	0.120	272.8	225	5.69	50.0
3.000	34	32	35.915	0.600	6.150	5.275	0.875	41.0	225	5.29	50.0
3.001	32	33	49.435	0.600	5.200	4.950	0.250	197.7	300	6.43	50.0
3.002	33	28	16.802	0.600	4.950	4.865	0.085	197.7	300	6.68	50.0
5.000	35	28	33.019	0.600	5.925	4.940	0.985	33.5	225	5.24	50.0
1.009	28	OUTFALL 2	19.000	0.600	3.705	3.619	0.086	220.9	450	7.74	46.6
6.000	36	37	26.633	0.600	6.420	6.160	0.260	102.4	225	5.34	50.0
6.001	37	38	6.608	0.600	6.160	5.875	0.285	23.2	225	5.38	50.0
6.002	38	39	16.362	0.600	5.800	5.700	0.100	163.6	300	5.61	50.0
6.003	39	40	26.360	0.600	5.700	5.540	0.160	164.8	300	5.97	50.0
6.004	40	41	21.531	0.600	5.540	5.410	0.130	165.6	300	6.26	50.0
6.005	41	42	21.323	0.600	5.410	5.270	0.140	152.3	300	6.54	50.0

Name	Vel (m/s)	Cap (l/s)	Flow (l/s)	US Depth (m)	DS Depth (m)	Σ Area (ha)	Σ Add Inflow (l/s)	Pro Depth (mm)	Pro Velocity (m/s)
4.000	0.787	31.3	8.3	1.260	1.200	0.046	0.0	79	0.665
3.000	2.047	81.4	15.9	1.200	1.200	0.088	0.0	67	1.598
3.001	1.114	78.8	33.4	1.200	1.785	0.185	0.0	136	1.070
3.002	1.114	78.8	42.1	1.785	2.175	0.233	0.0	156	1.132
5.000	2.267	90.1	6.0	1.200	2.175	0.033	0.0	39	1.298
1.009	1.363	216.8	130.5	3.185	3.791	0.775	0.0	252	1.423
6.000	1.291	51.3	11.7	1.200	1.200	0.065	0.0	73	1.055
6.001	2.728	108.5	14.5	1.200	1.420	0.080	0.0	55	1.906
6.002	1.226	86.7	20.1	1.420	1.530	0.111	0.0	98	1.002
6.003	1.222	86.4	23.1	1.530	1.420	0.128	0.0	106	1.040
6.004	1.219	86.1	31.1	1.420	1.610	0.172	0.0	125	1.123
6.005	1.271	89.9	36.3	1.610	1.655	0.201	0.0	133	1.206

Links

Name	US Node	DS Node	Length (m)	ks (mm) / n	US IL (m)	DS IL (m)	Fall (m)	Slope (1:X)	Dia (mm)	T of C (mins)	Rain (mm/hr)
6.006	42	43	58.063	0.600	5.270	4.880	0.390	148.9	300	7.29	48.0
6.007	43	OUTFALL 3	18.000	0.600	3.980	3.897	0.083	216.9	375	7.54	47.2
7.000	7	8	18.579	0.600	6.590	6.355	0.235	79.1	225	5.21	50.0
7.001	8	9	14.694	0.600	6.355	6.145	0.210	70.0	225	5.37	50.0
7.002	9	10	33.270	0.600	6.070	5.900	0.170	195.7	300	5.86	50.0
7.003	10	11	20.705	0.600	5.900	5.800	0.100	207.0	300	6.18	50.0
7.004	11	12	12.684	0.600	5.800	5.735	0.065	195.1	300	6.37	50.0
7.005	12	13	11.501	0.600	5.735	5.675	0.060	191.7	300	6.54	50.0
7.006	13	14	27.160	0.600	5.675	5.540	0.135	201.2	300	6.95	49.1
7.007	14	6	36.354	0.600	5.540	4.690	0.850	42.8	300	7.20	48.3
8.000	1	2	18.195	0.600	5.335	5.125	0.210	86.6	225	5.22	50.0
8.001	2	3	12.764	0.600	5.125	5.050	0.075	170.2	225	5.43	50.0
8.002	3	4	12.597	0.600	4.975	4.920	0.055	229.0	300	5.63	50.0
8.003	4	5	12.460	0.600	4.920	4.870	0.050	249.2	300	5.84	50.0

Name	Vel (m/s)	Cap (l/s)	Flow (l/s)	US Depth (m)	DS Depth (m)	Σ Area (ha)	Σ Add Inflow (l/s)	Pro Depth (mm)	Pro Velocity (m/s)
6.006	1.286	90.9	40.9	1.655	2.185	0.236	0.0	141	1.253
6.007	1.226	135.4	68.1	3.010	3.398	0.399	0.0	188	1.227
7.000	1.472	58.5	7.0	1.200	1.200	0.039	0.0	52	0.998
7.001	1.565	62.2	8.5	1.200	1.210	0.047	0.0	56	1.102
7.002	1.120	79.2	11.4	1.210	1.610	0.063	0.0	76	0.802
7.003	1.089	77.0	19.0	1.610	1.630	0.105	0.0	101	0.905
7.004	1.122	79.3	21.0	1.630	1.595	0.116	0.0	105	0.952
7.005	1.132	80.0	26.9	1.595	1.645	0.149	0.0	120	1.024
7.006	1.105	78.1	32.3	1.645	1.840	0.182	0.0	134	1.054
7.007	2.410	170.4	46.3	1.840	2.425	0.265	0.0	106	2.060
8.000	1.405	55.9	5.8	1.200	1.200	0.032	0.0	49	0.915
8.001	0.999	39.7	15.2	1.200	1.335	0.084	0.0	96	0.933
8.002	1.034	73.1	16.3	1.335	1.490	0.090	0.0	96	0.837
8.003	0.991	70.1	19.9	1.490	1.640	0.110	0.0	109	0.858

Links

Name	US Node	DS Node	Length (m)	ks (mm) / n	US IL (m)	DS IL (m)	Fall (m)	Slope (1:X)	Dia (mm)	T of C (mins)	Rain (mm/hr)
8.004	5	6	42.375	0.600	4.870	4.690	0.180	235.4	300	6.53	50.0
9.000	15	16	24.008	0.600	6.485	5.990	0.495	48.5	225	5.21	50.0
9.001	16	17	25.293	0.600	5.915	5.660	0.255	99.2	300	5.48	50.0
9.002	17	18	11.757	0.600	5.660	5.540	0.120	98.0	300	5.60	50.0
9.003	18	6	22.902	0.600	5.540	4.690	0.850	26.9	300	5.73	50.0
7.008	6	OUTFALL 1	16.000	0.600	3.890	3.835	0.055	290.9	375	7.45	47.5
10.000	55	56	12.034	0.600	6.905	6.830	0.075	160.4	225	5.19	50.0
10.001	56	57	11.405	0.600	6.830	6.670	0.160	71.3	225	5.32	50.0
10.002	57	58	13.862	0.600	6.670	6.525	0.145	95.6	225	5.49	50.0
10.003	58	59	12.406	0.600	6.525	6.405	0.120	103.4	225	5.65	50.0
10.004	59	60	56.591	0.600	6.330	5.950	0.380	148.9	300	6.38	50.0
10.005	60	61	23.633	0.600	5.950	5.320	0.630	37.5	300	6.54	50.0
10.006	61	OUTFALL 5	8.993	0.600	4.460	4.423	0.037	240.0	300	6.69	50.0

Name	Vel (m/s)	Cap (l/s)	Flow (l/s)	US Depth (m)	DS Depth (m)	Σ Area (ha)	Σ Add Inflow (l/s)	Pro Depth (mm)	Pro Velocity (m/s)
8.004	1.020	72.1	19.9	1.640	2.425	0.110	0.0	108	0.875
9.000	1.882	74.8	9.0	1.200	1.200	0.050	0.0	52	1.278
9.001	1.578	111.6	14.8	1.200	1.620	0.082	0.0	74	1.107
9.002	1.588	112.3	20.2	1.620	1.640	0.112	0.0	86	1.213
9.003	3.040	214.9	22.9	1.640	2.425	0.127	0.0	66	2.008
7.008	1.057	116.7	109.0	3.150	3.940	0.635	0.0	289	1.194
10.000	1.029	40.9	6.9	1.200	1.205	0.038	0.0	62	0.767
10.001	1.551	61.7	10.5	1.205	1.225	0.058	0.0	63	1.166
10.002	1.337	53.2	14.3	1.225	1.200	0.079	0.0	80	1.139
10.003	1.285	51.1	16.6	1.200	1.200	0.092	0.0	88	1.153
10.004	1.286	90.9	19.2	1.200	2.205	0.106	0.0	93	1.024
10.005	2.575	182.0	35.6	2.205	2.880	0.197	0.0	89	2.011
10.006	1.010	71.4	50.6	3.740	3.811	0.280	0.0	187	1.093

Links

Name	US Node	DS Node	Length (m)	ks (mm) / n	US IL (m)	DS IL (m)	Fall (m)	Slope (1:X)	Dia (mm)	T of C (mins)	Rain (mm/hr)
11.000	44	45	19.048	0.600	5.905	5.700	0.205	92.9	225	5.23	50.0
11.001	45	46	17.358	0.600	5.700	5.595	0.105	165.3	225	5.52	50.0
11.002	46	47	24.361	0.600	5.595	5.450	0.145	168.0	225	5.92	50.0
11.003	47	48	45.025	0.600	5.375	5.185	0.190	237.0	300	6.66	50.0
11.004	48	49	16.000	0.600	5.185	5.100	0.085	188.2	300	6.89	49.3
12.000	50	51	25.732	0.600	6.845	6.690	0.155	166.0	225	5.42	50.0
12.001	51	52	9.927	0.600	6.690	6.630	0.060	165.4	225	5.59	50.0
12.002	52	53	27.891	0.600	6.555	6.385	0.170	164.1	300	5.97	50.0
12.003	53	54	8.100	0.600	6.385	6.345	0.040	202.5	300	6.09	50.0
12.004	54	49	6.018	0.600	6.345	5.740	0.605	9.9	300	6.11	50.0
11.005	49	OUTFALL 4	13.396	0.600	4.100	4.044	0.056	240.0	375	7.09	48.7

Name	Vel (m/s)	Cap (l/s)	Flow (l/s)	US Depth (m)	DS Depth (m)	Σ Area (ha)	Σ Add Inflow (l/s)	Pro Depth (mm)	Pro Velocity (m/s)
11.000	1.357	53.9	5.6	1.200	1.690	0.031	0.0	49	0.883
11.001	1.014	40.3	9.2	1.690	1.935	0.051	0.0	73	0.828
11.002	1.006	40.0	12.6	1.935	2.505	0.070	0.0	87	0.893
11.003	1.017	71.9	26.7	2.505	2.685	0.148	0.0	126	0.943
11.004	1.142	80.7	46.7	2.685	3.090	0.262	0.0	164	1.182
12.000	1.012	40.2	13.2	1.200	1.565	0.073	0.0	88	0.907
12.001	1.013	40.3	23.3	1.565	1.615	0.129	0.0	123	1.048
12.002	1.224	86.6	24.2	1.615	1.515	0.134	0.0	108	1.054
12.003	1.101	77.8	28.0	1.515	1.680	0.155	0.0	124	1.012
12.004	5.012	354.3	33.4	1.680	2.450	0.185	0.0	62	3.193
11.005	1.165	128.7	88.3	4.015	3.964	0.502	0.0	229	1.252

Simulation Settings

Rainfall Methodology	FEH-22	Winter CV	1.000	Drain Down Time (mins)	240	Check Discharge Rate(s)	x
Rainfall Events	Singular	Analysis Speed	Normal	Additional Storage (m³/ha)	0.0	Check Discharge Volume	x
Summer CV	1.000	Skip Steady State	x	Starting Level (m)			

Storm Durations										
	15	60	180	360	600	960	2160	4320	7200	10080
	30	120	240	480	720	1440	2880	5760	8640	
Return Period (years)	Climate Change (CC %)	Additional Area (A %)	Additional Flow (Q %)							
2	0	0	0	100	0	0	0			
30	0	0	0	100	40	0	0			
30	40	0	0							

Node 5 Depth/Area Storage Structure

Base Inf Coefficient (m/hr)	0.00000	Safety Factor	2.0	Invert Level (m)	4.870
Side Inf Coefficient (m/hr)	0.00000	Porosity	0.95	Time to half empty (mins)	5

Depth (m)	Area (m ²)	Inf Area (m ²)	Depth (m)	Area (m ²)	Inf Area (m ²)	Depth (m)	Area (m ²)	Inf Area (m ²)
0.000	48.0	48.0	1.200	48.0	77.5	1.201	0.0	77.5

Node 9 Depth/Area Storage Structure

Base Inf Coefficient (m/hr)	0.00000	Safety Factor	2.0	Invert Level (m)	6.070
Side Inf Coefficient (m/hr)	0.00000	Porosity	0.95	Time to half empty (mins)	3

Depth (m)	Area (m ²)	Inf Area (m ²)	Depth (m)	Area (m ²)	Inf Area (m ²)	Depth (m)	Area (m ²)	Inf Area (m ²)
0.000	15.0	15.0	0.800	15.0	26.0	0.801	0.0	26.0

Node 20 Depth/Area Storage Structure

Base Inf Coefficient (m/hr)	0.00000	Safety Factor	2.0	Invert Level (m)	5.850
Side Inf Coefficient (m/hr)	0.00000	Porosity	0.95	Time to half empty (mins)	4

Depth (m)	Area (m ²)	Inf Area (m ²)	Depth (m)	Area (m ²)	Inf Area (m ²)	Depth (m)	Area (m ²)	Inf Area (m ²)
0.000	22.0	22.0	0.800	22.0	35.3	0.801	0.0	35.3

Node 38 Depth/Area Storage Structure

Base Inf Coefficient (m/hr)	0.00000	Safety Factor	2.0	Invert Level (m)	5.800
Side Inf Coefficient (m/hr)	0.00000	Porosity	0.95	Time to half empty (mins)	4

Depth (m)	Area (m ²)	Inf Area (m ²)	Depth (m)	Area (m ²)	Inf Area (m ²)	Depth (m)	Area (m ²)	Inf Area (m ²)
0.000	20.0	20.0	0.800	20.0	32.7	0.801	0.0	32.7

Node 44 Depth/Area Storage Structure

Base Inf Coefficient (m/hr)	0.00000	Safety Factor	2.0	Invert Level (m)	5.905
Side Inf Coefficient (m/hr)	0.00000	Porosity	0.95	Time to half empty (mins)	3

Depth (m)	Area (m ²)	Inf Area (m ²)	Depth (m)	Area (m ²)	Inf Area (m ²)	Depth (m)	Area (m ²)	Inf Area (m ²)
0.000	20.0	20.0	0.800	20.0	32.7	0.801	0.0	32.7

Results for 2 year Critical Storm Duration. Lowest mass balance: 99.97%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	19	10	6.106	0.066	7.3	0.0751	0.0000	OK
15 minute summer	20	12	5.924	0.074	13.6	1.6357	0.0000	OK
15 minute summer	21	11	5.826	0.101	17.8	0.1145	0.0000	OK
15 minute summer	22	12	5.726	0.111	21.7	0.1254	0.0000	OK
15 minute summer	23	12	5.635	0.135	28.0	0.1527	0.0000	OK
15 minute summer	24	12	5.569	0.139	30.4	0.1575	0.0000	OK
15 minute summer	29	10	6.443	0.093	12.7	0.1055	0.0000	OK
15 minute summer	30	10	6.378	0.098	15.2	0.1103	0.0000	OK
15 minute summer	25	11	5.451	0.171	49.8	0.2454	0.0000	OK
15 minute summer	26	11	5.379	0.179	56.6	0.2568	0.0000	OK
15 minute summer	27	12	5.259	0.154	69.6	0.2200	0.0000	OK
15 minute summer	31	11	5.476	0.081	8.6	0.0918	0.0000	OK
Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	19	1.000	20	7.2	0.754	0.179	0.1838	
15 minute summer	20	1.001	21	12.0	0.704	0.136	0.3364	
15 minute summer	21	1.002	22	17.5	0.790	0.229	0.5132	
15 minute summer	22	1.003	23	21.5	0.791	0.278	0.6432	
15 minute summer	23	1.004	24	27.8	0.885	0.356	0.4423	
15 minute summer	24	1.005	25	30.8	1.008	0.396	0.4641	
15 minute summer	29	2.000	30	12.6	0.787	0.313	0.1859	
15 minute summer	30	2.001	25	15.0	0.954	0.350	0.2082	
15 minute summer	25	1.006	26	49.3	0.985	0.349	0.8041	
15 minute summer	26	1.007	27	56.3	1.196	0.437	1.0743	
15 minute summer	27	1.008	28	69.2	1.701	0.320	1.1022	
15 minute summer	31	4.000	32	8.4	0.688	0.268	0.3983	

Results for 2 year Critical Storm Duration. Lowest mass balance: 99.97%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	34	10	6.219	0.069	16.5	0.0786	0.0000	OK
15 minute summer	32	10	5.337	0.137	33.9	0.1553	0.0000	OK
15 minute summer	33	11	5.119	0.169	42.7	0.1907	0.0000	OK
15 minute summer	35	10	5.965	0.040	6.2	0.0453	0.0000	OK
15 minute summer	28	11	3.983	0.278	133.0	0.3978	0.0000	OK
15 minute summer	OUTFALL 2	11	3.867	0.248	133.7	0.0000	0.0000	OK
15 minute summer	36	10	6.498	0.078	12.2	0.0883	0.0000	OK
15 minute summer	37	10	6.221	0.061	14.9	0.0691	0.0000	OK
15 minute summer	38	11	5.901	0.101	20.5	2.0398	0.0000	OK
15 minute summer	39	12	5.805	0.105	22.0	0.1191	0.0000	OK
15 minute summer	40	11	5.667	0.127	29.3	0.1435	0.0000	OK
15 minute summer	41	12	5.545	0.135	33.8	0.1529	0.0000	OK
15 minute summer	42	12	5.410	0.140	39.1	0.1580	0.0000	OK
Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	34	3.000	32	16.2	1.585	0.199	0.3673	
15 minute summer	32	3.001	33	34.1	0.950	0.432	1.7777	
15 minute summer	33	3.002	28	42.6	1.099	0.540	0.6506	
15 minute summer	35	5.000	28	6.1	1.289	0.067	0.1554	
15 minute summer	28	1.009	OUTFALL 2	132.4	1.380	0.610	1.8281	62.7
15 minute summer	36	6.000	37	12.1	1.157	0.235	0.2786	
15 minute summer	37	6.001	38	14.7	1.801	0.136	0.0540	
15 minute summer	38	6.002	39	19.0	0.890	0.219	0.3502	
15 minute summer	39	6.003	40	21.9	0.871	0.254	0.6633	
15 minute summer	40	6.004	41	29.0	0.984	0.337	0.6359	
15 minute summer	41	6.005	42	33.9	1.083	0.377	0.6708	
15 minute summer	42	6.006	43	38.7	1.230	0.425	1.8249	

Results for 2 year Critical Storm Duration. Lowest mass balance: 99.97%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	43	11	4.174	0.194	63.9	0.2779	0.0000	OK
15 minute summer	OUTFALL 3	12	4.074	0.177	70.3	0.0000	0.0000	OK
15 minute summer	7	10	6.644	0.054	7.3	0.0613	0.0000	OK
15 minute summer	8	10	6.414	0.059	8.7	0.0663	0.0000	OK
15 minute summer	9	12	6.143	0.073	11.6	1.1284	0.0000	OK
15 minute summer	10	11	6.001	0.101	17.8	0.1146	0.0000	OK
15 minute summer	11	12	5.910	0.110	19.3	0.1245	0.0000	OK
15 minute summer	12	11	5.862	0.127	24.6	0.1432	0.0000	OK
15 minute summer	13	11	5.808	0.133	30.1	0.1502	0.0000	OK
15 minute summer	14	11	5.647	0.107	44.3	0.1206	0.0000	OK
15 minute summer	1	10	5.384	0.049	6.0	0.0557	0.0000	OK
15 minute summer	2	10	5.228	0.103	15.6	0.1166	0.0000	OK
15 minute summer	3	11	5.080	0.105	16.4	0.1182	0.0000	OK
15 minute summer	4	11	5.030	0.110	20.1	0.1245	0.0000	OK
30 minute summer	5	21	4.957	0.087	18.4	4.0740	0.0000	OK

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	43	6.007	OUTFALL 3	63.2	1.172	0.467	0.9778	32.3
15 minute summer	7	7.000	8	7.2	0.931	0.124	0.1445	
15 minute summer	8	7.001	9	8.6	1.081	0.138	0.1171	
15 minute summer	9	7.002	10	10.6	0.626	0.134	0.5658	
15 minute summer	10	7.003	11	17.4	0.790	0.226	0.4567	
15 minute summer	11	7.004	12	19.4	0.750	0.244	0.3276	
15 minute summer	12	7.005	13	24.5	0.843	0.307	0.3355	
15 minute summer	13	7.006	14	29.9	1.149	0.383	0.7130	
15 minute summer	14	7.007	6	43.4	1.996	0.255	0.7928	
15 minute summer	1	8.000	2	5.9	0.502	0.106	0.2195	
15 minute summer	2	8.001	3	15.3	0.908	0.386	0.2161	
15 minute summer	3	8.002	4	16.5	0.731	0.226	0.2850	
15 minute summer	4	8.003	5	20.2	1.346	0.289	0.2278	
30 minute summer	5	8.004	6	12.9	0.776	0.180	0.7074	

Results for 2 year Critical Storm Duration. Lowest mass balance: 99.97%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	15	10	6.540	0.055	9.4	0.0618	0.0000	OK
15 minute summer	16	10	5.990	0.075	15.2	0.0844	0.0000	OK
15 minute summer	17	10	5.754	0.094	20.7	0.1058	0.0000	OK
15 minute summer	18	11	5.609	0.069	23.3	0.0778	0.0000	OK
15 minute summer	6	11	4.164	0.274	97.9	0.3928	0.0000	OK
15 minute summer	OUTFALL 1	11	4.064	0.229	97.4	0.0000	0.0000	OK
15 minute summer	55	10	6.971	0.066	7.1	0.0747	0.0000	OK
15 minute summer	56	10	6.896	0.066	10.7	0.0741	0.0000	OK
15 minute summer	57	10	6.754	0.084	14.6	0.0956	0.0000	OK
15 minute summer	58	11	6.620	0.095	16.9	0.1074	0.0000	OK
15 minute summer	59	11	6.425	0.095	19.4	0.1076	0.0000	OK
15 minute summer	60	11	6.044	0.094	35.8	0.1064	0.0000	OK
15 minute summer	61	11	4.663	0.203	50.6	0.2297	0.0000	OK
15 minute summer	OUTFALL 5	11	4.598	0.175	50.7	0.0000	0.0000	OK
Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	15	9.000	16	9.2	1.269	0.123	0.1749	
15 minute summer	16	9.001	17	15.1	0.934	0.135	0.4095	
15 minute summer	17	9.002	18	20.6	1.339	0.183	0.1814	
15 minute summer	18	9.003	6	23.4	1.974	0.109	0.2716	
15 minute summer	6	7.008	OUTFALL 1	97.4	1.237	0.834	1.2564	51.2
15 minute summer	55	10.000	56	7.0	0.729	0.172	0.1161	
15 minute summer	56	10.001	57	10.7	0.921	0.173	0.1323	
15 minute summer	57	10.002	58	14.5	0.985	0.272	0.2042	
15 minute summer	58	10.003	59	16.9	1.113	0.331	0.1884	
15 minute summer	59	10.004	60	19.5	1.026	0.214	1.0765	
15 minute summer	60	10.005	61	35.8	1.965	0.197	0.4311	
15 minute summer	61	10.006	OUTFALL 5	50.7	1.086	0.710	0.4198	22.7

Results for 2 year Critical Storm Duration. Lowest mass balance: 99.97%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	44	12	5.950	0.045	5.8	0.9043	0.0000	OK
15 minute summer	45	11	5.769	0.069	8.1	0.0780	0.0000	OK
15 minute summer	46	12	5.678	0.083	11.3	0.0938	0.0000	OK
15 minute summer	47	11	5.494	0.119	24.7	0.1348	0.0000	OK
15 minute summer	48	11	5.356	0.171	44.9	0.1937	0.0000	OK
15 minute summer	50	10	6.934	0.089	13.7	0.1008	0.0000	OK
15 minute summer	51	10	6.825	0.135	24.0	0.1522	0.0000	OK
15 minute summer	52	11	6.668	0.113	24.5	0.1282	0.0000	OK
15 minute summer	53	11	6.511	0.126	28.5	0.1427	0.0000	OK
15 minute summer	54	11	6.415	0.070	34.0	0.0795	0.0000	OK
15 minute summer	49	11	4.349	0.249	88.4	0.3565	0.0000	OK
15 minute summer	OUTFALL 4	11	4.262	0.218	88.3	0.0000	0.0000	OK

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	44	11.000	45	4.8	0.610	0.088	0.1506	
15 minute summer	45	11.001	46	7.9	0.675	0.196	0.2039	
15 minute summer	46	11.002	47	11.1	0.853	0.277	0.3163	
15 minute summer	47	11.003	48	24.5	0.725	0.341	1.5222	
15 minute summer	48	11.004	49	44.6	1.130	0.552	0.6308	
15 minute summer	50	12.000	51	13.5	0.688	0.337	0.5067	
15 minute summer	51	12.001	52	23.6	1.010	0.586	0.2322	
15 minute summer	52	12.002	53	24.7	0.943	0.286	0.7319	
15 minute summer	53	12.003	54	28.6	1.428	0.368	0.1647	
15 minute summer	54	12.004	49	34.0	2.948	0.096	0.0696	
15 minute summer	49	11.005	OUTFALL 4	88.3	1.225	0.687	0.9657	40.6

Results for 30 year Critical Storm Duration. Lowest mass balance: 99.97%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	19	10	6.152	0.112	18.6	0.1269	0.0000	OK
15 minute summer	20	11	5.981	0.131	34.5	2.8954	0.0000	OK
15 minute summer	21	12	5.934	0.209	47.7	0.2360	0.0000	OK
15 minute summer	22	12	5.891	0.276	57.9	0.3118	0.0000	OK
15 minute summer	23	11	5.821	0.321	69.0	0.3635	0.0000	SURCHARGED
15 minute summer	24	11	5.749	0.319	76.4	0.3610	0.0000	SURCHARGED
15 minute summer	29	10	6.529	0.179	32.3	0.2024	0.0000	OK
15 minute summer	30	10	6.464	0.184	38.7	0.2077	0.0000	OK
15 minute summer	25	11	5.653	0.373	126.0	0.5334	0.0000	OK
15 minute summer	26	11	5.565	0.365	143.3	0.5227	0.0000	OK
15 minute summer	27	11	5.393	0.288	178.2	0.4122	0.0000	OK
15 minute summer	31	11	5.684	0.289	21.9	0.3268	0.0000	SURCHARGED
Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	19	1.000	20	18.3	0.962	0.457	0.3679	
15 minute summer	20	1.001	21	32.4	0.847	0.366	0.7957	
15 minute summer	21	1.002	22	47.0	0.917	0.616	1.3891	
15 minute summer	22	1.003	23	55.8	0.881	0.723	1.6340	
15 minute summer	23	1.004	24	69.7	1.023	0.893	0.9926	
15 minute summer	24	1.005	25	77.3	1.217	0.994	1.0694	
15 minute summer	29	2.000	30	32.0	0.939	0.794	0.3982	
15 minute summer	30	2.001	25	38.1	1.163	0.890	0.4316	
15 minute summer	25	1.006	26	125.1	1.154	0.884	1.7464	
15 minute summer	26	1.007	27	142.7	1.441	1.108	2.2762	
15 minute summer	27	1.008	28	176.9	2.084	0.820	2.3011	
15 minute summer	31	4.000	32	21.6	0.731	0.691	1.3019	

Results for 30 year Critical Storm Duration. Lowest mass balance: 99.97%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	34	10	6.263	0.113	41.9	0.1281	0.0000	OK
15 minute summer	32	11	5.628	0.428	84.9	0.4841	0.0000	SURCHARGED
15 minute summer	33	11	5.311	0.361	102.2	0.4086	0.0000	SURCHARGED
15 minute summer	35	10	5.989	0.064	15.7	0.0728	0.0000	OK
15 minute summer	28	11	4.340	0.635	333.7	0.9083	0.0000	SURCHARGED
15 minute summer	OUTFALL 2	11	4.016	0.397	335.9	0.0000	0.0000	OK
15 minute summer	36	10	6.553	0.133	30.9	0.1504	0.0000	OK
15 minute summer	37	10	6.265	0.105	37.7	0.1187	0.0000	OK
15 minute summer	38	11	5.985	0.185	52.3	3.7149	0.0000	OK
15 minute summer	39	11	5.893	0.193	57.7	0.2185	0.0000	OK
15 minute summer	40	12	5.818	0.278	77.1	0.3147	0.0000	OK
15 minute summer	41	12	5.719	0.309	88.1	0.3490	0.0000	SURCHARGED
15 minute summer	42	12	5.572	0.302	101.7	0.3412	0.0000	SURCHARGED
Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	34	3.000	32	41.6	1.729	0.511	1.0735	
15 minute summer	32	3.001	33	80.3	1.141	1.020	3.4812	
15 minute summer	33	3.002	28	100.3	1.444	1.273	1.1099	
15 minute summer	35	5.000	28	15.5	1.683	0.172	0.3038	
15 minute summer	28	1.009	OUTFALL 2	332.7	2.103	1.534	2.9127	159.1
15 minute summer	36	6.000	37	30.6	1.442	0.596	0.5666	
15 minute summer	37	6.001	38	37.6	2.197	0.347	0.1214	
15 minute summer	38	6.002	39	50.0	1.072	0.577	0.7641	
15 minute summer	39	6.003	40	57.1	1.000	0.661	1.5188	
15 minute summer	40	6.004	41	74.9	1.131	0.869	1.4920	
15 minute summer	41	6.005	42	85.7	1.279	0.954	1.5012	
15 minute summer	42	6.006	43	95.1	1.477	1.046	3.7954	

Results for 30 year Critical Storm Duration. Lowest mass balance: 99.97%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	43	11	4.399	0.419	167.6	0.5990	0.0000	SURCHARGED
15 minute summer	OUTFALL 3	11	4.198	0.301	185.5	0.0000	0.0000	OK
15 minute summer	7	10	6.680	0.090	18.6	0.1020	0.0000	OK
15 minute summer	8	10	6.454	0.099	22.2	0.1115	0.0000	OK
15 minute summer	9	11	6.193	0.123	29.5	1.8913	0.0000	OK
15 minute summer	10	11	6.091	0.191	47.6	0.2159	0.0000	OK
15 minute summer	11	11	6.029	0.229	51.8	0.2585	0.0000	OK
15 minute summer	12	11	5.992	0.257	65.7	0.2907	0.0000	OK
15 minute summer	13	11	5.929	0.254	80.0	0.2873	0.0000	OK
15 minute summer	14	11	5.734	0.194	116.8	0.2193	0.0000	OK
15 minute summer	1	10	5.414	0.079	15.2	0.0897	0.0000	OK
15 minute summer	2	10	5.324	0.199	39.8	0.2250	0.0000	OK
15 minute summer	3	11	5.161	0.186	41.9	0.2104	0.0000	OK
15 minute summer	4	11	5.107	0.187	51.0	0.2114	0.0000	OK
30 minute summer	5	20	5.032	0.162	47.2	7.5536	0.0000	OK

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	43	6.007	OUTFALL 3	167.3	1.545	1.235	1.8448	82.0
15 minute summer	7	7.000	8	18.4	1.169	0.315	0.2932	
15 minute summer	8	7.001	9	21.9	1.379	0.353	0.2343	
15 minute summer	9	7.002	10	28.5	0.765	0.360	1.2386	
15 minute summer	10	7.003	11	46.8	0.903	0.608	1.0858	
15 minute summer	11	7.004	12	51.0	0.871	0.644	0.7729	
15 minute summer	12	7.005	13	65.0	1.035	0.812	0.7354	
15 minute summer	13	7.006	14	79.1	1.442	1.013	1.5178	
15 minute summer	14	7.007	6	115.8	2.515	0.680	1.6735	
15 minute summer	1	8.000	2	15.1	0.596	0.270	0.4517	
15 minute summer	2	8.001	3	39.0	1.135	0.981	0.4370	
15 minute summer	3	8.002	4	41.7	0.922	0.571	0.5796	
15 minute summer	4	8.003	5	50.7	1.529	0.723	0.5150	
30 minute summer	5	8.004	6	38.6	1.041	0.535	1.5749	

Results for 30 year Critical Storm Duration. Lowest mass balance: 99.97%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	15	10	6.575	0.090	23.8	0.1021	0.0000	OK
15 minute summer	16	10	6.042	0.127	38.7	0.1434	0.0000	OK
15 minute summer	17	10	5.818	0.158	52.7	0.1791	0.0000	OK
15 minute summer	18	10	5.654	0.114	59.4	0.1284	0.0000	OK
15 minute summer	6	11	4.624	0.734	266.1	1.0498	0.0000	SURCHARGED
15 minute summer	OUTFALL 1	11	4.187	0.352	265.6	0.0000	0.0000	OK
15 minute summer	55	10	7.019	0.114	18.1	0.1293	0.0000	OK
15 minute summer	56	10	6.949	0.119	27.4	0.1341	0.0000	OK
15 minute summer	57	10	6.827	0.157	37.2	0.1774	0.0000	OK
15 minute summer	58	11	6.701	0.176	43.0	0.1991	0.0000	OK
15 minute summer	59	11	6.492	0.162	49.4	0.1830	0.0000	OK
15 minute summer	60	11	6.113	0.163	91.1	0.1840	0.0000	OK
15 minute summer	61	11	4.912	0.452	129.3	0.5112	0.0000	SURCHARGED
15 minute summer	OUTFALL 5	11	4.694	0.271	129.5	0.0000	0.0000	OK

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	15	9.000	16	23.5	1.632	0.314	0.3462	
15 minute summer	16	9.001	17	38.4	1.165	0.344	0.8351	
15 minute summer	17	9.002	18	52.3	1.686	0.466	0.3653	
15 minute summer	18	9.003	6	59.2	2.528	0.276	0.5367	
15 minute summer	6	7.008	OUTFALL 1	265.6	2.408	2.275	1.7423	130.3
15 minute summer	55	10.000	56	17.9	0.866	0.438	0.2493	
15 minute summer	56	10.001	57	27.2	1.067	0.441	0.2893	
15 minute summer	57	10.002	58	36.8	1.173	0.692	0.4342	
15 minute summer	58	10.003	59	43.0	1.368	0.842	0.3893	
15 minute summer	59	10.004	60	49.8	1.286	0.548	2.1997	
15 minute summer	60	10.005	61	91.5	2.476	0.503	0.8736	
15 minute summer	61	10.006	OUTFALL 5	129.5	1.840	1.813	0.6175	57.5

Results for 30 year Critical Storm Duration. Lowest mass balance: 99.97%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	44	11	5.981	0.076	14.7	1.5367	0.0000	OK
15 minute summer	45	12	5.861	0.161	22.6	0.1820	0.0000	OK
15 minute summer	46	11	5.835	0.240	29.7	0.2713	0.0000	SURCHARGED
15 minute summer	47	11	5.763	0.388	66.7	0.4392	0.0000	SURCHARGED
15 minute summer	48	11	5.594	0.409	113.5	0.4621	0.0000	SURCHARGED
15 minute summer	50	10	7.159	0.314	34.7	0.3555	0.0000	SURCHARGED
15 minute summer	51	10	7.024	0.334	60.4	0.3776	0.0000	SURCHARGED
15 minute summer	52	10	6.758	0.203	62.2	0.2301	0.0000	OK
15 minute summer	53	11	6.597	0.212	71.9	0.2399	0.0000	OK
15 minute summer	54	11	6.467	0.122	86.0	0.1381	0.0000	OK
15 minute summer	49	11	4.661	0.561	223.6	0.8031	0.0000	SURCHARGED
15 minute summer	OUTFALL 4	11	4.381	0.337	222.9	0.0000	0.0000	OK

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	44	11.000	45	13.5	0.742	0.251	0.3992	
15 minute summer	45	11.001	46	22.6	0.838	0.560	0.6089	
15 minute summer	46	11.002	47	31.2	0.987	0.779	0.9689	
15 minute summer	47	11.003	48	62.0	0.896	0.863	3.1706	
15 minute summer	48	11.004	49	112.4	1.604	1.392	1.0783	
15 minute summer	50	12.000	51	33.8	0.850	0.841	1.0234	
15 minute summer	51	12.001	52	59.8	1.504	1.483	0.3824	
15 minute summer	52	12.002	53	62.4	1.199	0.721	1.4514	
15 minute summer	53	12.003	54	72.4	1.795	0.930	0.3248	
15 minute summer	54	12.004	49	86.2	3.637	0.243	0.1428	
15 minute summer	49	11.005	OUTFALL 4	222.9	2.023	1.733	1.4379	102.9

Results for 30 year +40% CC Critical Storm Duration. Lowest mass balance: 99.91%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	19	12	6.242	0.202	26.0	0.2288	0.0000	OK
15 minute summer	20	13	6.214	0.364	59.7	8.0089	0.0000	SURCHARGED
15 minute summer	21	12	6.194	0.469	62.1	0.5305	0.0000	SURCHARGED
15 minute summer	22	12	6.149	0.534	69.0	0.6043	0.0000	SURCHARGED
15 minute summer	23	12	6.079	0.579	78.6	0.6546	0.0000	SURCHARGED
15 minute summer	24	11	6.003	0.573	86.0	0.6485	0.0000	SURCHARGED
15 minute summer	29	10	6.692	0.342	45.3	0.3864	0.0000	SURCHARGED
15 minute summer	30	10	6.569	0.289	53.9	0.3266	0.0000	SURCHARGED
15 minute summer	25	11	5.904	0.624	150.8	0.8931	0.0000	SURCHARGED
15 minute summer	26	11	5.773	0.573	173.3	0.8193	0.0000	SURCHARGED
15 minute summer	27	11	5.541	0.436	223.7	0.6242	0.0000	SURCHARGED
15 minute summer	31	11	6.280	0.885	30.6	1.0013	0.0000	SURCHARGED
Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	19	1.000	20	25.6	1.038	0.640	0.7475	
15 minute summer	20	1.001	21	55.3	0.892	0.625	1.3847	
15 minute summer	21	1.002	22	65.5	0.947	0.858	1.6294	
15 minute summer	22	1.003	23	70.9	1.008	0.918	1.6656	
15 minute summer	23	1.004	24	80.5	1.143	1.031	0.9926	
15 minute summer	24	1.005	25	89.3	1.298	1.148	1.0700	
15 minute summer	29	2.000	30	44.6	1.121	1.108	0.4618	
15 minute summer	30	2.001	25	53.3	1.349	1.244	0.4998	
15 minute summer	25	1.006	26	146.7	1.330	1.037	1.7539	
15 minute summer	26	1.007	27	171.9	1.559	1.334	2.5065	
15 minute summer	27	1.008	28	217.9	2.144	1.009	2.8998	
15 minute summer	31	4.000	32	28.4	0.732	0.909	1.3019	

Results for 30 year +40% CC Critical Storm Duration. Lowest mass balance: 99.91%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	34	11	6.634	0.484	58.6	0.5477	0.0000	SURCHARGED
15 minute summer	32	11	6.164	0.964	115.4	1.0907	0.0000	SURCHARGED
15 minute summer	33	11	5.545	0.595	144.9	0.6725	0.0000	SURCHARGED
15 minute summer	35	10	6.002	0.077	22.0	0.0872	0.0000	OK
15 minute summer	28	11	4.599	0.894	441.6	1.2786	0.0000	SURCHARGED
15 minute summer	OUTFALL 2	11	4.045	0.426	444.9	0.0000	0.0000	OK
15 minute summer	36	10	6.588	0.168	43.3	0.1905	0.0000	OK
15 minute summer	37	11	6.296	0.136	52.9	0.1541	0.0000	OK
15 minute summer	38	13	6.218	0.418	73.1	8.4123	0.0000	SURCHARGED
15 minute summer	39	12	6.172	0.472	66.3	0.5339	0.0000	SURCHARGED
15 minute summer	40	12	6.085	0.545	85.1	0.6167	0.0000	SURCHARGED
15 minute summer	41	12	5.943	0.533	96.5	0.6025	0.0000	SURCHARGED
15 minute summer	42	12	5.742	0.472	113.4	0.5343	0.0000	SURCHARGED
Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	34	3.000	32	54.9	1.740	0.675	1.4284	
15 minute summer	32	3.001	33	114.4	1.625	1.453	3.4812	
15 minute summer	33	3.002	28	144.6	2.054	1.836	1.1652	
15 minute summer	35	5.000	28	21.7	1.845	0.241	0.3889	
15 minute summer	28	1.009	OUTFALL 2	440.5	2.781	2.032	2.9800	222.6
15 minute summer	36	6.000	37	42.9	1.534	0.835	0.7459	
15 minute summer	37	6.001	38	52.5	2.214	0.484	0.2145	
15 minute summer	38	6.002	39	62.8	1.076	0.725	1.1522	
15 minute summer	39	6.003	40	71.0	1.024	0.822	1.8563	
15 minute summer	40	6.004	41	80.2	1.139	0.931	1.5162	
15 minute summer	41	6.005	42	92.9	1.319	1.033	1.5016	
15 minute summer	42	6.006	43	111.9	1.597	1.231	3.9103	

Results for 30 year +40% CC Critical Storm Duration. Lowest mass balance: 99.91%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	43	11	4.535	0.555	214.2	0.7941	0.0000	SURCHARGED
15 minute summer	OUTFALL 3	11	4.230	0.333	239.8	0.0000	0.0000	OK
15 minute summer	7	10	6.700	0.110	26.0	0.1247	0.0000	OK
15 minute summer	8	10	6.476	0.121	31.1	0.1370	0.0000	OK
15 minute summer	9	12	6.292	0.222	41.4	3.4162	0.0000	OK
15 minute summer	10	12	6.261	0.361	65.4	0.4080	0.0000	SURCHARGED
15 minute summer	11	12	6.189	0.389	63.0	0.4403	0.0000	SURCHARGED
15 minute summer	12	12	6.128	0.393	78.9	0.4447	0.0000	SURCHARGED
15 minute summer	13	11	6.039	0.364	97.4	0.4118	0.0000	SURCHARGED
15 minute summer	14	11	5.778	0.238	151.1	0.2695	0.0000	OK
15 minute summer	1	11	5.451	0.116	21.3	0.1311	0.0000	OK
15 minute summer	2	11	5.430	0.305	54.7	0.3454	0.0000	SURCHARGED
15 minute summer	3	11	5.215	0.240	58.1	0.2720	0.0000	OK
15 minute summer	4	12	5.161	0.241	70.7	0.2725	0.0000	OK
15 minute summer	5	13	5.080	0.210	69.4	9.8055	0.0000	OK
Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	43	6.007	OUTFALL 3	214.3	1.946	1.583	1.9236	114.6
15 minute summer	7	7.000	8	25.8	1.256	0.441	0.3818	
15 minute summer	8	7.001	9	30.7	1.491	0.494	0.3405	
15 minute summer	9	7.002	10	42.1	0.763	0.532	2.1018	
15 minute summer	10	7.003	11	59.4	0.909	0.772	1.4580	
15 minute summer	11	7.004	12	65.4	0.962	0.825	0.8932	
15 minute summer	12	7.005	13	79.3	1.128	0.991	0.8099	
15 minute summer	13	7.006	14	98.3	1.539	1.259	1.7712	
15 minute summer	14	7.007	6	154.0	2.595	0.904	2.3692	
15 minute summer	1	8.000	2	20.9	0.622	0.374	0.5492	
15 minute summer	2	8.001	3	54.3	1.373	1.367	0.4848	
15 minute summer	3	8.002	4	58.0	0.990	0.793	0.7580	
15 minute summer	4	8.003	5	69.4	1.586	0.991	0.7007	
15 minute summer	5	8.004	6	56.9	1.155	0.788	2.4708	

Results for 30 year +40% CC Critical Storm Duration. Lowest mass balance: 99.91%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	15	10	6.595	0.110	33.3	0.1244	0.0000	OK
15 minute summer	16	10	6.073	0.158	54.2	0.1783	0.0000	OK
15 minute summer	17	10	5.855	0.195	73.8	0.2210	0.0000	OK
15 minute summer	18	10	5.673	0.133	83.4	0.1505	0.0000	OK
15 minute summer	6	11	4.987	1.097	371.7	1.5705	0.0000	SURCHARGED
15 minute summer	OUTFALL 1	9	4.190	0.355	359.6	0.0000	0.0000	OK
15 minute summer	55	11	7.069	0.164	25.3	0.1851	0.0000	OK
15 minute summer	56	11	7.045	0.215	38.0	0.2431	0.0000	OK
15 minute summer	57	11	6.972	0.302	49.0	0.3419	0.0000	SURCHARGED
15 minute summer	58	11	6.805	0.280	57.2	0.3166	0.0000	SURCHARGED
15 minute summer	59	11	6.526	0.196	66.0	0.2213	0.0000	OK
15 minute summer	60	11	6.151	0.201	124.0	0.2275	0.0000	OK
15 minute summer	61	11	5.108	0.648	177.2	0.7325	0.0000	SURCHARGED
15 minute summer	OUTFALL 5	10	4.707	0.284	177.5	0.0000	0.0000	OK

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	15	9.000	16	32.9	1.774	0.440	0.4459	
15 minute summer	16	9.001	17	53.8	1.250	0.483	1.0888	
15 minute summer	17	9.002	18	73.4	1.896	0.653	0.4629	
15 minute summer	18	9.003	6	84.8	2.643	0.395	1.1329	
15 minute summer	6	7.008	OUTFALL 1	359.6	3.261	3.080	1.7469	181.6
15 minute summer	55	10.000	56	24.7	0.910	0.605	0.4215	
15 minute summer	56	10.001	57	36.2	1.104	0.587	0.4498	
15 minute summer	57	10.002	58	48.9	1.230	0.920	0.5513	
15 minute summer	58	10.003	59	57.1	1.441	1.118	0.4751	
15 minute summer	59	10.004	60	66.1	1.395	0.727	2.7980	
15 minute summer	60	10.005	61	124.5	2.636	0.684	1.1152	
15 minute summer	61	10.006	OUTFALL 5	177.5	2.521	2.486	0.6269	80.5

Results for 30 year +40% CC Critical Storm Duration. Lowest mass balance: 99.91%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	44	12	6.123	0.218	30.2	4.3835	0.0000	OK
15 minute summer	45	12	6.103	0.403	36.0	0.4559	0.0000	SURCHARGED
15 minute summer	46	11	6.066	0.471	42.4	0.5332	0.0000	SURCHARGED
15 minute summer	47	10	6.025	0.650	72.9	0.7352	0.0000	SURCHARGED
15 minute summer	48	10	5.799	0.614	149.8	0.6943	0.0000	SURCHARGED
15 minute summer	50	10	7.485	0.640	48.6	0.7235	0.0000	SURCHARGED
15 minute summer	51	10	7.223	0.533	84.6	0.6024	0.0000	SURCHARGED
15 minute summer	52	11	6.845	0.290	87.1	0.3278	0.0000	OK
15 minute summer	53	11	6.653	0.268	100.6	0.3027	0.0000	OK
15 minute summer	54	11	6.497	0.152	120.0	0.1720	0.0000	OK
15 minute summer	49	10	4.901	0.801	303.0	1.1463	0.0000	SURCHARGED
15 minute summer	OUTFALL 4	10	4.399	0.355	299.6	0.0000	0.0000	OK

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	44	11.000	45	32.0	0.862	0.592	0.7537	
15 minute summer	45	11.001	46	38.6	0.970	0.957	0.6903	
15 minute summer	46	11.002	47	44.0	1.170	1.100	0.9689	
15 minute summer	47	11.003	48	73.9	1.050	1.029	3.1706	
15 minute summer	48	11.004	49	148.5	2.109	1.839	1.1111	
15 minute summer	50	12.000	51	47.3	1.190	1.177	1.0234	
15 minute summer	51	12.001	52	83.8	2.107	2.079	0.3915	
15 minute summer	52	12.002	53	87.3	1.280	1.009	1.8973	
15 minute summer	53	12.003	54	100.9	1.917	1.297	0.4139	
15 minute summer	54	12.004	49	120.1	3.882	0.339	0.1864	
15 minute summer	49	11.005	OUTFALL 4	299.6	2.717	2.329	1.4626	144.0

Results for 100 year Critical Storm Duration. Lowest mass balance: 99.94%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	19	10	6.169	0.129	23.2	0.1457	0.0000	OK
15 minute summer	20	12	6.101	0.251	43.0	5.5243	0.0000	OK
15 minute summer	21	12	6.082	0.357	59.2	0.4039	0.0000	SURCHARGED
15 minute summer	22	12	6.034	0.419	64.6	0.4741	0.0000	SURCHARGED
30 minute summer	23	18	5.958	0.458	74.9	0.5185	0.0000	SURCHARGED
15 minute summer	24	11	5.872	0.442	81.4	0.5004	0.0000	SURCHARGED
15 minute summer	29	10	6.621	0.271	40.5	0.3065	0.0000	SURCHARGED
15 minute summer	30	10	6.524	0.244	48.0	0.2757	0.0000	SURCHARGED
15 minute summer	25	11	5.770	0.490	140.3	0.7012	0.0000	SURCHARGED
15 minute summer	26	11	5.652	0.452	162.9	0.6468	0.0000	SURCHARGED
15 minute summer	27	11	5.451	0.346	208.8	0.4958	0.0000	OK
15 minute summer	31	11	6.058	0.663	27.4	0.7498	0.0000	SURCHARGED
Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	19	1.000	20	22.8	1.012	0.571	0.5051	
15 minute summer	20	1.001	21	45.9	0.862	0.520	1.3108	
15 minute summer	21	1.002	22	60.3	0.921	0.790	1.6294	
15 minute summer	22	1.003	23	68.1	0.969	0.883	1.6656	
30 minute summer	23	1.004	24	75.4	1.083	0.967	0.9926	
15 minute summer	24	1.005	25	83.6	1.284	1.075	1.0700	
15 minute summer	29	2.000	30	39.7	0.998	0.986	0.4618	
15 minute summer	30	2.001	25	47.5	1.221	1.108	0.4893	
15 minute summer	25	1.006	26	140.2	1.272	0.991	1.7539	
15 minute summer	26	1.007	27	164.5	1.491	1.276	2.4626	
15 minute summer	27	1.008	28	210.7	2.124	0.976	2.6861	
15 minute summer	31	4.000	32	25.5	0.739	0.815	1.3019	

Results for 100 year Critical Storm Duration. Lowest mass balance: 99.94%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	34	11	6.310	0.160	52.4	0.1809	0.0000	OK
15 minute summer	32	11	5.964	0.764	104.3	0.8638	0.0000	SURCHARGED
15 minute summer	33	11	5.460	0.510	130.6	0.5764	0.0000	SURCHARGED
15 minute summer	35	10	5.997	0.072	19.6	0.0820	0.0000	OK
15 minute summer	28	11	4.527	0.822	411.8	1.1764	0.0000	SURCHARGED
15 minute summer	OUTFALL 2	11	4.040	0.421	415.6	0.0000	0.0000	OK
15 minute summer	36	10	6.575	0.155	38.7	0.1751	0.0000	OK
15 minute summer	37	10	6.280	0.120	47.2	0.1361	0.0000	OK
15 minute summer	38	12	6.108	0.308	65.5	6.1963	0.0000	SURCHARGED
15 minute summer	39	12	6.065	0.365	67.9	0.4132	0.0000	SURCHARGED
15 minute summer	40	12	5.983	0.443	81.9	0.5009	0.0000	SURCHARGED
15 minute summer	41	12	5.852	0.442	93.8	0.5005	0.0000	SURCHARGED
15 minute summer	42	11	5.681	0.411	110.0	0.4648	0.0000	SURCHARGED
Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	34	3.000	32	49.8	1.705	0.612	1.2563	
15 minute summer	32	3.001	33	103.3	1.468	1.312	3.4812	
15 minute summer	33	3.002	28	130.4	1.854	1.656	1.1546	
15 minute summer	35	5.000	28	19.3	1.788	0.215	0.3573	
15 minute summer	28	1.009	OUTFALL 2	411.6	2.598	1.898	2.9698	199.4
15 minute summer	36	6.000	37	38.3	1.507	0.746	0.6754	
15 minute summer	37	6.001	38	47.0	2.246	0.433	0.1953	
15 minute summer	38	6.002	39	57.8	1.069	0.667	1.1522	
15 minute summer	39	6.003	40	67.8	1.012	0.785	1.8563	
15 minute summer	40	6.004	41	77.4	1.125	0.898	1.5162	
15 minute summer	41	6.005	42	89.2	1.288	0.993	1.5016	
15 minute summer	42	6.006	43	106.0	1.519	1.166	3.8763	

Results for 100 year Critical Storm Duration. Lowest mass balance: 99.94%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	43	11	4.487	0.507	198.7	0.7249	0.0000	SURCHARGED
15 minute summer	OUTFALL 3	11	4.220	0.323	221.3	0.0000	0.0000	OK
15 minute summer	7	10	6.693	0.103	23.2	0.1163	0.0000	OK
15 minute summer	8	10	6.468	0.113	27.8	0.1276	0.0000	OK
15 minute summer	9	12	6.229	0.159	36.9	2.4427	0.0000	OK
15 minute summer	10	11	6.218	0.318	58.3	0.3601	0.0000	SURCHARGED
15 minute summer	11	11	6.148	0.348	59.6	0.3930	0.0000	SURCHARGED
15 minute summer	12	11	6.092	0.357	75.5	0.4034	0.0000	SURCHARGED
15 minute summer	13	11	6.008	0.333	93.0	0.3764	0.0000	SURCHARGED
15 minute summer	14	11	5.762	0.222	138.6	0.2510	0.0000	OK
15 minute summer	1	10	5.425	0.090	19.1	0.1015	0.0000	OK
15 minute summer	2	10	5.394	0.269	50.0	0.3047	0.0000	SURCHARGED
15 minute summer	3	11	5.194	0.219	52.8	0.2481	0.0000	OK
15 minute summer	4	11	5.138	0.218	64.2	0.2460	0.0000	OK
30 minute summer	5	20	5.060	0.190	59.6	8.8718	0.0000	OK

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	43	6.007	OUTFALL 3	198.6	1.809	1.467	1.9027	102.5
15 minute summer	7	7.000	8	23.0	1.226	0.393	0.3490	
15 minute summer	8	7.001	9	27.4	1.454	0.441	0.2777	
15 minute summer	9	7.002	10	33.9	0.773	0.428	1.7892	
15 minute summer	10	7.003	11	56.4	0.910	0.732	1.4580	
15 minute summer	11	7.004	12	63.1	0.902	0.795	0.8932	
15 minute summer	12	7.005	13	74.3	1.070	0.929	0.8099	
15 minute summer	13	7.006	14	91.5	1.506	1.172	1.7153	
15 minute summer	14	7.007	6	138.3	2.599	0.812	1.9355	
15 minute summer	1	8.000	2	19.0	0.613	0.340	0.4960	
15 minute summer	2	8.001	3	49.2	1.254	1.238	0.4764	
15 minute summer	3	8.002	4	52.3	0.973	0.715	0.6922	
15 minute summer	4	8.003	5	63.3	1.568	0.903	0.6262	
30 minute summer	5	8.004	6	49.4	1.114	0.685	1.8833	

Results for 100 year Critical Storm Duration. Lowest mass balance: 99.94%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	15	10	6.588	0.103	29.8	0.1163	0.0000	OK
15 minute summer	16	10	6.061	0.146	48.6	0.1656	0.0000	OK
15 minute summer	17	10	5.842	0.182	66.1	0.2059	0.0000	OK
15 minute summer	18	10	5.670	0.130	74.4	0.1465	0.0000	OK
15 minute summer	6	11	4.846	0.956	329.3	1.3687	0.0000	SURCHARGED
15 minute summer	OUTFALL 1	10	4.190	0.355	327.0	0.0000	0.0000	OK
15 minute summer	55	10	7.037	0.132	22.6	0.1497	0.0000	OK
15 minute summer	56	10	6.966	0.136	34.3	0.1538	0.0000	OK
15 minute summer	57	11	6.912	0.242	46.7	0.2734	0.0000	SURCHARGED
15 minute summer	58	11	6.770	0.245	52.7	0.2773	0.0000	SURCHARGED
15 minute summer	59	11	6.514	0.184	60.8	0.2083	0.0000	OK
15 minute summer	60	11	6.137	0.187	112.7	0.2115	0.0000	OK
15 minute summer	61	11	5.032	0.572	159.6	0.6469	0.0000	SURCHARGED
15 minute summer	OUTFALL 5	11	4.707	0.284	159.9	0.0000	0.0000	OK

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	15	9.000	16	29.5	1.727	0.394	0.4098	
15 minute summer	16	9.001	17	48.2	1.222	0.432	0.9973	
15 minute summer	17	9.002	18	65.5	1.819	0.584	0.4341	
15 minute summer	18	9.003	6	74.4	2.663	0.346	0.7385	
15 minute summer	6	7.008	OUTFALL 1	327.0	2.965	2.801	1.7469	163.2
15 minute summer	55	10.000	56	22.4	0.913	0.548	0.2970	
15 minute summer	56	10.001	57	34.2	1.093	0.555	0.3648	
15 minute summer	57	10.002	58	45.3	1.201	0.852	0.5513	
15 minute summer	58	10.003	59	52.8	1.367	1.032	0.4690	
15 minute summer	59	10.004	60	60.4	1.347	0.665	2.5894	
15 minute summer	60	10.005	61	112.5	2.586	0.618	1.0281	
15 minute summer	61	10.006	OUTFALL 5	159.9	2.271	2.239	0.6269	72.1

Results for 100 year Critical Storm Duration. Lowest mass balance: 99.94%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	44	12	6.050	0.145	18.5	2.9177	0.0000	OK
15 minute summer	45	12	6.031	0.331	30.0	0.3744	0.0000	SURCHARGED
30 minute summer	46	18	5.998	0.403	36.0	0.4555	0.0000	SURCHARGED
30 minute summer	47	18	5.911	0.536	71.0	0.6066	0.0000	SURCHARGED
15 minute summer	48	11	5.706	0.521	133.9	0.5896	0.0000	SURCHARGED
15 minute summer	50	10	7.359	0.514	43.5	0.5816	0.0000	SURCHARGED
15 minute summer	51	10	7.148	0.458	75.7	0.5178	0.0000	SURCHARGED
15 minute summer	52	11	6.802	0.247	78.1	0.2796	0.0000	OK
15 minute summer	53	11	6.631	0.246	90.0	0.2783	0.0000	OK
15 minute summer	54	11	6.486	0.141	107.5	0.1598	0.0000	OK
15 minute summer	49	11	4.812	0.712	273.9	1.0186	0.0000	SURCHARGED
15 minute summer	OUTFALL 4	11	4.398	0.354	274.8	0.0000	0.0000	OK

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	44	11.000	45	24.2	0.781	0.448	0.6362	
15 minute summer	45	11.001	46	32.1	0.886	0.796	0.6903	
30 minute summer	46	11.002	47	38.6	1.067	0.967	0.9689	
30 minute summer	47	11.003	48	70.1	0.996	0.975	3.1706	
15 minute summer	48	11.004	49	135.0	1.918	1.672	1.1035	
15 minute summer	50	12.000	51	42.4	1.067	1.055	1.0234	
15 minute summer	51	12.001	52	75.1	1.888	1.863	0.3900	
15 minute summer	52	12.002	53	78.1	1.261	0.903	1.7286	
15 minute summer	53	12.003	54	90.5	1.882	1.163	0.3825	
15 minute summer	54	12.004	49	107.7	3.803	0.304	0.1706	
15 minute summer	49	11.005	OUTFALL 4	274.8	2.492	2.136	1.4616	128.6

Results for 100 year +40% CC Critical Storm Duration. Lowest mass balance: 99.91%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	19	13	6.578	0.538	32.5	0.6088	0.0000	SURCHARGED
15 minute summer	20	13	6.559	0.709	77.0	15.6110	0.0000	SURCHARGED
15 minute summer	21	12	6.512	0.787	74.3	0.8896	0.0000	SURCHARGED
15 minute summer	22	12	6.470	0.855	81.3	0.9673	0.0000	SURCHARGED
15 minute summer	23	12	6.399	0.899	92.3	1.0162	0.0000	SURCHARGED
15 minute summer	24	12	6.298	0.868	100.8	0.9817	0.0000	SURCHARGED
15 minute summer	29	10	6.879	0.529	56.7	0.5986	0.0000	SURCHARGED
15 minute summer	30	10	6.689	0.409	67.2	0.4628	0.0000	SURCHARGED
15 minute summer	25	11	6.169	0.889	166.1	1.2728	0.0000	SURCHARGED
15 minute summer	26	11	6.005	0.805	194.1	1.1517	0.0000	SURCHARGED
15 minute summer	27	11	5.709	0.604	254.1	0.8639	0.0000	SURCHARGED
15 minute summer	31	11	6.880	1.485	38.3	1.6795	0.0789	FLOOD
Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	19	1.000	20	29.1	1.057	0.728	0.7681	
15 minute summer	20	1.001	21	68.0	0.966	0.769	1.3847	
15 minute summer	21	1.002	22	76.9	1.092	1.008	1.6294	
15 minute summer	22	1.003	23	83.7	1.188	1.084	1.6656	
15 minute summer	23	1.004	24	96.2	1.366	1.233	0.9926	
15 minute summer	24	1.005	25	104.7	1.487	1.346	1.0700	
15 minute summer	29	2.000	30	55.5	1.396	1.380	0.4618	
15 minute summer	30	2.001	25	66.5	1.674	1.554	0.5146	
15 minute summer	25	1.006	26	167.9	1.523	1.187	1.7539	
15 minute summer	26	1.007	27	196.0	1.777	1.521	2.5065	
15 minute summer	27	1.008	28	253.4	2.297	1.174	2.9419	
15 minute summer	31	4.000	32	35.4	0.889	1.130	1.3019	

Results for 100 year +40% CC Critical Storm Duration. Lowest mass balance: 99.91%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	34	11	7.451	1.301	73.3	1.4720	0.0000	FLOOD RISK
15 minute summer	32	11	6.700	1.500	145.2	1.6965	0.2256	FLOOD
15 minute summer	33	11	5.761	0.811	179.6	0.9174	0.0000	SURCHARGED
15 minute summer	35	10	6.012	0.087	27.5	0.0986	0.0000	OK
15 minute summer	28	11	4.851	1.146	532.1	1.6393	0.0000	SURCHARGED
15 minute summer	OUTFALL 2	9	4.045	0.426	537.9	0.0000	0.0000	OK
15 minute summer	36	12	6.798	0.378	54.2	0.4280	0.0000	SURCHARGED
15 minute summer	37	12	6.584	0.424	65.3	0.4792	0.0000	SURCHARGED
15 minute summer	38	13	6.500	0.700	87.5	14.1002	0.0000	SURCHARGED
15 minute summer	39	12	6.428	0.728	76.7	0.8233	0.0000	SURCHARGED
15 minute summer	40	12	6.337	0.797	87.8	0.9012	0.0000	SURCHARGED
15 minute summer	41	12	6.171	0.761	102.5	0.8602	0.0000	SURCHARGED
15 minute summer	42	12	5.926	0.656	126.4	0.7420	0.0000	SURCHARGED
Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	34	3.000	32	69.3	1.743	0.851	1.4284	
15 minute summer	32	3.001	33	141.4	2.008	1.795	3.4812	
15 minute summer	33	3.002	28	179.9	2.554	2.283	1.1712	
15 minute summer	35	5.000	28	27.2	1.957	0.301	0.4582	
15 minute summer	28	1.009	OUTFALL 2	532.3	3.360	2.455	2.9800	279.1
15 minute summer	36	6.000	37	52.8	1.542	1.029	1.0592	
15 minute summer	37	6.001	38	61.7	2.325	0.569	0.2628	
15 minute summer	38	6.002	39	71.8	1.041	0.829	1.1522	
15 minute summer	39	6.003	40	77.3	1.097	0.895	1.8563	
15 minute summer	40	6.004	41	90.1	1.280	1.046	1.5162	
15 minute summer	41	6.005	42	102.7	1.459	1.143	1.5016	
15 minute summer	42	6.006	43	125.6	1.785	1.381	3.9731	

Results for 100 year +40% CC Critical Storm Duration. Lowest mass balance: 99.91%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	43	11	4.674	0.694	253.1	0.9925	0.0000	SURCHARGED
15 minute summer	OUTFALL 3	11	4.246	0.349	285.0	0.0000	0.0000	OK
15 minute summer	7	10	6.718	0.128	32.5	0.1442	0.0000	OK
15 minute summer	8	12	6.639	0.284	39.0	0.3209	0.0000	SURCHARGED
15 minute summer	9	13	6.575	0.505	51.4	7.7725	0.0000	SURCHARGED
15 minute summer	10	12	6.539	0.639	71.7	0.7226	0.0000	SURCHARGED
15 minute summer	11	12	6.472	0.672	74.5	0.7598	0.0000	SURCHARGED
15 minute summer	12	12	6.413	0.678	89.5	0.7672	0.0000	SURCHARGED
15 minute summer	13	12	6.314	0.639	107.1	0.7230	0.0000	SURCHARGED
15 minute summer	14	11	6.036	0.496	162.1	0.5609	0.0000	SURCHARGED
15 minute summer	1	11	5.666	0.331	26.7	0.3747	0.0000	SURCHARGED
15 minute summer	2	11	5.614	0.489	68.4	0.5528	0.0000	SURCHARGED
15 minute summer	3	12	5.360	0.385	72.2	0.4352	0.0000	SURCHARGED
15 minute summer	4	12	5.301	0.381	87.3	0.4310	0.0000	SURCHARGED
15 minute summer	5	13	5.225	0.355	83.1	16.5684	0.0000	SURCHARGED

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	43	6.007	OUTFALL 3	253.2	2.296	1.870	1.9550	143.7
15 minute summer	7	7.000	8	32.3	1.304	0.551	0.5373	
15 minute summer	8	7.001	9	38.2	1.524	0.613	0.5844	
15 minute summer	9	7.002	10	58.7	0.834	0.741	2.3429	
15 minute summer	10	7.003	11	71.7	1.018	0.932	1.4580	
15 minute summer	11	7.004	12	76.8	1.090	0.968	0.8932	
15 minute summer	12	7.005	13	93.7	1.330	1.171	0.8099	
15 minute summer	13	7.006	14	112.0	1.596	1.435	1.9126	
15 minute summer	14	7.007	6	164.3	2.573	0.964	2.5600	
15 minute summer	1	8.000	2	25.2	0.633	0.450	0.7236	
15 minute summer	2	8.001	3	67.2	1.691	1.692	0.5076	
15 minute summer	3	8.002	4	70.6	1.033	0.966	0.8871	
15 minute summer	4	8.003	5	83.1	1.614	1.186	0.8774	
15 minute summer	5	8.004	6	83.2	1.244	1.154	2.9840	

Results for 100 year +40% CC Critical Storm Duration. Lowest mass balance: 99.91%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	15	10	6.612	0.127	41.7	0.1432	0.0000	OK
15 minute summer	16	10	6.099	0.184	68.0	0.2082	0.0000	OK
15 minute summer	17	10	5.888	0.228	92.5	0.2578	0.0000	OK
15 minute summer	18	10	5.693	0.153	104.2	0.1729	0.0000	OK
15 minute summer	6	11	5.116	1.226	390.7	1.7549	0.0000	SURCHARGED
15 minute summer	OUTFALL 1	9	4.190	0.355	388.3	0.0000	0.0000	OK
15 minute summer	55	11	7.382	0.477	31.7	0.5396	0.0000	SURCHARGED
15 minute summer	56	11	7.327	0.497	45.6	0.5616	0.0000	SURCHARGED
15 minute summer	57	11	7.203	0.533	61.9	0.6030	0.0000	SURCHARGED
15 minute summer	58	11	6.939	0.414	71.7	0.4678	0.0000	SURCHARGED
15 minute summer	59	11	6.563	0.233	82.6	0.2637	0.0000	OK
15 minute summer	60	11	6.191	0.241	154.1	0.2722	0.0000	OK
15 minute summer	61	11	5.322	0.862	219.7	0.9750	0.0000	SURCHARGED
15 minute summer	OUTFALL 5	9	4.707	0.284	219.7	0.0000	0.0000	OK

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	15	9.000	16	41.3	1.869	0.551	0.5302	
15 minute summer	16	9.001	17	67.5	1.309	0.605	1.2996	
15 minute summer	17	9.002	18	91.7	1.948	0.817	0.5497	
15 minute summer	18	9.003	6	103.8	2.548	0.483	1.2193	
15 minute summer	6	7.008	OUTFALL 1	388.3	3.521	3.326	1.7469	227.1
15 minute summer	55	10.000	56	29.7	0.901	0.726	0.4786	
15 minute summer	56	10.001	57	45.1	1.135	0.732	0.4536	
15 minute summer	57	10.002	58	61.4	1.544	1.155	0.5513	
15 minute summer	58	10.003	59	71.5	1.798	1.399	0.4861	
15 minute summer	59	10.004	60	81.8	1.446	0.900	3.3762	
15 minute summer	60	10.005	61	153.6	2.715	0.844	1.3335	
15 minute summer	61	10.006	OUTFALL 5	219.7	3.121	3.077	0.6269	100.8

Results for 100 year +40% CC Critical Storm Duration. Lowest mass balance: 99.91%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	44	13	6.331	0.426	42.0	8.5825	0.0000	SURCHARGED
15 minute summer	45	12	6.310	0.610	41.2	0.6899	0.0000	SURCHARGED
15 minute summer	46	12	6.268	0.673	46.6	0.7610	0.0000	SURCHARGED
15 minute summer	47	11	6.196	0.821	82.0	0.9288	0.0000	SURCHARGED
15 minute summer	48	11	5.914	0.729	170.3	0.8241	0.0000	SURCHARGED
15 minute summer	50	11	8.039	1.194	60.8	1.3499	0.0000	FLOOD RISK
15 minute summer	51	11	7.646	0.956	102.9	1.0811	0.0000	SURCHARGED
15 minute summer	52	11	7.069	0.514	106.8	0.5810	0.0000	SURCHARGED
15 minute summer	53	11	6.741	0.356	123.5	0.4021	0.0000	SURCHARGED
15 minute summer	54	11	6.521	0.176	147.4	0.1989	0.0000	OK
15 minute summer	49	11	5.117	1.017	361.3	1.4558	0.0000	SURCHARGED
15 minute summer	OUTFALL 4	9	4.399	0.355	361.5	0.0000	0.0000	OK

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	44	11.000	45	38.4	0.977	0.711	0.7576	
15 minute summer	45	11.001	46	43.1	1.084	1.069	0.6903	
15 minute summer	46	11.002	47	48.7	1.226	1.219	0.9689	
15 minute summer	47	11.003	48	83.4	1.184	1.160	3.1706	
15 minute summer	48	11.004	49	170.1	2.415	2.106	1.1153	
15 minute summer	50	12.000	51	58.2	1.464	1.447	1.0234	
15 minute summer	51	12.001	52	102.8	2.586	2.552	0.3948	
15 minute summer	52	12.002	53	106.8	1.517	1.234	1.9641	
15 minute summer	53	12.003	54	123.5	1.954	1.587	0.4590	
15 minute summer	54	12.004	49	147.5	4.025	0.416	0.2204	
15 minute summer	49	11.005	OUTFALL 4	361.5	3.278	2.810	1.4626	180.0